(a) Acutal distances

$d(z,t) = 3$

$d(x,t) = 5$

$d(y,t) = 1$

x z y

s u t

$d(u,t) = 2$

(b) Lie independently

$\rho(z,t) = 1$

$\rho(x,t) = 3$

$\rho(y,t) = 1$

x z y

s u t

$d(u,t) = 2$

(c) Colluding

$\rho(z,t) = 1$

$\rho(x,t) = 1$

$\rho(y,t) = 1$

x z y

s u t

$d(u,t) = 2$